BRUHAT BANGALORE MAHANAGAR PALIKE

Project Division, Yelahanka Zone

SCHEDULE - B

Balance Developmental works to Ayurvedic Hospital in Ward No.05

SNo	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
1	6.00	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid complete as per specifications and directions of the Engineer in charge.	Each	4649.59	Rupees Four Thousand Six Hundred Forty Nine And Paise Fifty Nine Only
2	8.00	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid complete as per specifications and directions of the Engineer in charge. - First Floor	Each	4691.86	Rupees Four Thousand Six Hundred Ninety One And Paise Eighty Six Only
3	9.00	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid, complete as per specifications and directions of the Engineer in charge.- Second Floor	Each	4734.13	Rupees Four Thousand Seven Hundred Thirty Four And Paise Thirteen Only
4	7.00	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern .complete as per specifications and directions of the Engineer in charge.	Each	10269.28	Rupees Ten Thousand Two Hundred Sixty Nine And Paise Twenty Eight Only
5	4.00	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern. complete as per specifications and directions of the Engineer in charge. - First Floor	Each	10362.64	Rupees Ten Thousand Three Hundred Sixty Two And Paise Sixty Four Only
6	30.00	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern. complete as per specifications and directions of the Engineer in charge. - Second Floor	Each	10456.00	Rupees Ten Thousand Four Hundred Fifty Six Only

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7	15.00	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required: using White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer. complete as per specifications and directions of the Engineer in charge.	Each	4156.45	Rupees Four Thousand One Hundred Fifty Six And Paise Forty Five Only
8	15.00	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required: using White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer. complete as per specifications and directions of the Engineer in charge.	Each	4194.24	Rupees Four Thousand One Hundred Ninety Four And Paise Twenty Four Only
9	15.00	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required: using White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer .complete as per specifications and directions of the Engineer in charge.	Each	4232.02	Rupees Four Thousand Two Hundred Thirty Two And Paise Two Only
10	15.00	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia semi rigid . complete as per specifications and directions of the Engineer in charge.	Each	252.82	Rupees Two Hundred Fifty Two And Paise Eighty Two Only
11	15.00	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia semi rigid .complete as per specifications and directions of the Engineer in charge. - First Floor	Each	250.56	Rupees Two Hundred Fifty And Paise Fifty Six Only
12	15.00	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia semi rigid. complete as per specifications and directions of the Engineer in charge. - Second Floor	Each	252.82	Rupees Two Hundred Fifty Two And Paise Eighty Two Only
13	25.00	Providing and fixing PTMT towel rail 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 g. complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. complete as per specifications and directions of the Engineer in charge.	Each	438.86	Rupees Four Hundred Thirty Eight And Paise Eighty Six Only
14	25.00	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Each	1003.60	Rupees One Thousand Three And Paise Sixty Only
15	616.00	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS:13592 Type A, including jointing with seal ring conforming to IS:5382, leaving 10mm gap for thermal expansion, [i] single socketed pipes 100mm diameter . complete as per specifications and directions of the Engineer in charge.	M	292.19	Rupees Two Hundred Ninety Two And Paise Nineteen Only
16	170.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. 25mm nominal dia pipes	Mtr	549.73	Rupees Five Hundred Forty Nine And Paise Seventy Three Only

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17	150.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per specifications and directions of the Engineer in charge.25mm nominal dia pipes - First Floor .	Mtr	554.73	Rupees Five Hundred Fifty Four And Paise Seventy Three Only
18	130.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. 25mm nominal dia pipes - Second Floor	Mtr	559.72	Rupees Five Hundred Fifty Nine And Paise Seventy Two Only
19	130.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. 25mm nominal dia pipes - Terrace Floor	Mtr	564.72	Rupees Five Hundred Sixty Four And Paise Seventy Two Only
20	140.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. 20mm nominal dia pipes .GF	Mtr	430.77	Rupees Four Hundred Thirty And Paise Seventy Seven Only
21	115.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per specifications and directions of the Engineer in charge.20mm nominal dia pipes .FF	Mtr	434.69	Rupees Four Hundred Thirty Four And Paise Sixty Nine Only
22	100.50	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per specifications and directions of the Engineer in charge.20mm nominal dia pipes .SF	Mtr	438.61	Rupees Four Hundred Thirty Eight And Paise Sixty One Only
23	95.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per specifications and directions of the Engineer in charge.20mm nominal dia pipes .Terrace Floor	Mtr	442.52	Rupees Four Hundred Forty Two And Paise Fifty Two Only
24	14.00	Constructing brick masonry chamber of internal dimension 600x450mm and depth of 600mm (inner dimensions) with modular bricks of CD 75 in cement mortar 1:6, bed concrete 150mm thick with 1:3:6, plastering 12 mm thick with cement mortar 1:4, CC 1:2:4 coping 75mm thk for fixing CI cover & frame etc. excluding the cost of CI frame and cover.complete as per specifications and directions of the Engineer in charge.	Each	5051.49	Rupees Five Thousand Fifty One And Paise Forty Nine Only

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25	5000.00	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) complete as per specifications and directions of the Engineer in charge.	ltr	9.24	Rupees Nine And Paise Twenty Four Only
26	70.00	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	Nos	398.44	Rupees Three Hundred Ninety Eight And Paise Forty Four Only
27	30.00	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	Nos	398.44	Rupees Three Hundred Ninety Eight And Paise Forty Four Only
28	30.00	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.	Nos	609.78	Rupees Six Hundred Nine And Paise Seventy Eight Only
29	10.00	FREE STANDING TABLE FOR CABIN - WITHOUT FRAMES Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bomded End table, 18 mm thick PLPB with edge bonded Modesty, Wire manager -ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge. Main Table : 1500 mmW x 750mm D x 750 mm ht (Edgebinding table top) Side Table : 900 mm W x 450mm D X 750 mm ht.complete as per specifications and directions of the Engineer in charge.	Nos	13812.48	Rupees Thirteen Thousand Eight Hundred Twelve And Paise Forty Eight Only
30	374.35	Puffed panel (Data Rate)Lightweight, energy-efficient and durable panels , PUF panels consist of a rigid core sandwiched between sheet metal structural boards. PUF insulated sandwich panels integrate joists and studs, insulation, vapor and air barriers. complete as per specificationsand and directions of the Engineer in charge.	Sqm	4083.06	Rupees Four Thousand Eighty Three And Paise Six Only
31	146.85	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete as per specifications and directions of the Engineer in charge.	Cum	224.05	Rupees Two Hundred Twenty Four And Paise Five Only
32	27.54	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 40 mm and down size graded crushed coarse aggregatesfor levelling course for all works in foundation. The granite /trap /basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) complete as per specifications and directions of the Engineer in charge.	Cum	6414.26	Rupees Six Thousand Four Hundred Fourteen And Paise Twenty Six Only
33	28.37	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)complete as per specifications and directions of the Engineer in charge.	Cum	6180.97	Rupees Six Thousand One Hundred Eighty And Paise Ninety Seven Only

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34	20.03	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 20 mm and down size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)complete as per specifications and directions of the Engineer in charge.	Cum	6615.21	Rupees Six Thousand Six Hundred Fifteen And Paise Twenty One Only
35	12.67	Providing and laying in position Reinforced cement concrete M25 Design Mix Using 20 mm and down size graded crushed coarse aggregates for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately)complete as per specifications and directions of the Engineer in charge.	Cum	6905.09	Rupees Six Thousand Nine Hundred Five And Paise Nine Only
36	1610.82	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications and directions of the Engineer in charge.. (The laps and wastages shall not be measured separately)	KG	106.25	Rupees One Hundred Six And Paise Twenty Five Only
37	191.34	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications and directions of the Engineer in charge.	Sqm	1381.25	Rupees One Thousand Three Hundred Eighty One And Paise Twenty Five Only
38	419.73	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement : 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.	Sqm	371.87	Rupees Three Hundred Seventy One And Paise Eighty Seven Only
39	24.00	Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per specifications and directions of the Engineer in charge. (Data Rate)	Sqm	2175.39	Rupees Two Thousand One Hundred Seventy Five And Paise Thirty Nine Only

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40	34.44	Providing and fixing pre cast solid cement concrete Kerb Stones made out of M20 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading, unloading, lead and lift transportion etc., complete as per specifications and directions of the Engineer in charge.(from finish concrete and no painting to be done)(Data Rate)	Nos	532.30	Rupees Five Hundred Thirty Two And Paise Thirty Only
41	260.33	Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq. Hallow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*75mm galvanized flat for alround frame and 20mm*20mm galvanized- forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flat, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading with cost and conveyance of all materials, labour, machinery and incidental charges for the successful complete of the work as per the direction Engineer-in-charge of the work. (Data Rate)	Sqm	16409.94	Rupees Sixteen Thousand Four Hundred Nine And Paise Ninety Four Only
42	19.43	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72*72*4.8mm Sq. GI Pipe frame with top pipe bending in heavy duty hydraolic press with sand packing and hot bending to form double arch as per drawing profile,20mm hot dip galvanised sq.rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged omamental design in between sq.rods and heads at top,middle and bottom. Intermediate supports of 75*12mm and 50*6mm arch bent to hot dip galvanised flats the work is inclusive of throughing GI.flat GI sq.rods,placing, welding all the joints including grinding, finishing metal patty,painting wo coats enamel painting. The rate is inclusive of all materials like GI sq pipe,GI.Sq.rods,GI forged designs etc., heavy duty hinges are made out of 75mm solid sq.block assembled with 20mm dia bearing in the three places for each flop. Heavy duty locking arrangements at low places including cost of labou,pailnting, erecting charges using hoist pulley cranes with all lead and lift, loading,transportation,unloading,scaffolding charges and all other	Sqm	22415.37	Rupees Twenty Two Thousand Four Hundred Fifteen And Paise Thirty Seven Only
43	40.82	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Sqm	150.14	Rupees One Hundred Fifty And Paise Fourteen Only
44	26.46	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Sqm	151.50	Rupees One Hundred Fifty One And Paise Fifty Only

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45	27.00	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Sqm	152.87	Rupees One Hundred Fifty Two And Paise Eighty Seven Only
46	8.15	1 Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces including cost of materials, labour, usage charges of machinery complete as per specifications and directions of the Engineer in charge.	Sqm	4380.60	Rupees Four Thousand Three Hundred Eighty And Paise Sixty Only
47	512.85	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Sqm	154.23	Rupees One Hundred Fifty Four And Paise Twenty Three Only
48	500.00	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 19/20mm dia 2mm thick(including audio system)complete as per specifications and directions of the Engineer in charge.	M	64.04	Rupees Sixty Four And Paise Four Only
49	750.00	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work 25mm dia 2mm thick	M	73.49	Rupees Seventy Three And Paise Forty Nine Only
50	750.00	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 32mm dia 2.5 mm thick thick(including audio system)complete as per specifications and directions of the Engineer in charge.	M	97.64	Rupees Ninety Seven And Paise Sixty Four Only

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51	240.00	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 40mm dia 2.5 mm thick thick(including audio system)complete as per specifications and directions of the Engineer in charge.	M	111.29	Rupees One Hundred Eleven And Paise Twenty Nine Only
52	695.00	Open Conduit System - Supplying heavy gauge PVC conduit pipe ..... dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 32 mm dia 2.5 mm thick. complete as per specifications and directions of the Engineer in charge.	M	104.99	Rupees One Hundred Four And Paise Ninety Nine Only
53	435.00	Groove cutting : Supplying heavy gauge PVC Conduit Pipe .... dia ..... mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 19/20 mm dia 2 mm thick. complete as per specifications and directions of the Engineer in charge.	M	78.74	Rupees Seventy Eight And Paise Seventy Four Only
54	260.00	Supplying heavy gauge PVC Conduit Pipe .... dia ..... mmthick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.25 mm dia 2 mm thick .complete as per specifications and directions of the Engineer in charge.	M	83.99	Rupees Eighty Three And Paise Ninety Nine Only
55	175.00	Supplying heavy gauge PVC Conduit Pipe .... dia ..... mmthick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.32 mm dia 2.5 mm thick .complete as per specifications and directions of the Engineer in charge.	M	110.24	Rupees One Hundred Ten And Paise Twenty Four Only
56	70.00	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 19/20mm deep junction box .complete as per specifications and directions of the Engineer in charge.	Each	51.45	Rupees Fifty One And Paise Forty Five Only
57	45.00	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 25 mm deep junction box .complete as per specifications and directions of the Engineer in charge.	Each	53.54	Rupees Fifty Three And Paise Fifty Four Only
58	45.00	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 32mm deep junction box. complete as per specifications and directions of the Engineer in charge.	Each	72.44	Rupees Seventy Two And Paise Forty Four Only
59	60.00	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete.complete as per specifications and directions of the Engineer in charge 1 to 2 way	Each	39.90	Rupees Thirty Nine And Paise Ninety Only
60	45.00	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete.complete as per specifications and directions of the Engineer in charge 3 to 4 way	Each	46.20	Rupees Forty Six And Paise Twenty Only

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No	Quantity	Item Name	Unit	Approved Rates of Srl. H V Onkarappa	
				In figures	In words
61	150.00	Extra for groove cutting in brick wall /CC floor' to the suitable depth for con cealing of conduit/GI pipe and plastering,finishing upto wall surface complete. complete as per specifications and directions of the Engineer in charge	m	27.30	Rupees Twenty Seven And Paise Thirty Only
62	40.00	Suplplying and fixing "S" Hook made out of 14mm dia M.S. rod complete as per specifications and directions of the Engineer in charge	Nos	45.15	Rupees Forty Five And Paise Fifteen Only
63	48.00	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. complete as per specifications and directions of the Engineer in charge Short point upto 3Mtrs from tapping point to out let via switch.	Point	289.77	Rupees Two Hundred Eighty Nine And Paise Seventy Seven Only
64	56.00	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. complete as per specifications and directions of the Engineer in charge . Medium point above 3Mtrs upto 6Mtr from Tapping point to out let via switch.	Point	405.26	Rupees Four Hundred Five And Paise Twenty Six Only
65	650.00	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. complete as per specifications and directions of the Engineer in charge.	M	18.90	Rupees Eighteen And Paise Ninety Only
66	1650.00	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 2.5 sqmm complete as per specifications and directions of the Engineer in charge.	M	42.00	Rupees Forty Two Only
67	450.00	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 4 sqmm complete as per specifications and directions of the Engineer in charge.	M	61.94	Rupees Sixty One And Paise Ninety Four Only
68	540.00	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 6 sqmm complete as per specifications and directions of the Engineer in charge.	M	91.34	Rupees Ninety One And Paise Thirty Four Only
69	80.00	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge.	Each	159.58	Rupees One Hundred Fifty Nine And Paise Fifty Eight Only

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No	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
70	80.00	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 4 module	Each	183.73	Rupees One Hundred Eighty Three And Paise Seventy Three Only
71	80.00	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 6 module	Nos	256.18	Rupees Two Hundred Fifty Six And Paise Eighteen Only
72	50.00	Supply box type suitable for 28W T5 single / twin lamp & suspension mounted luminaire and optical reflector. Prewired with HF electronic ballast, push fit type lamp holders and main connectors. Channel cover shall be made of CRCA MS sheet and finishing is done with stone enameled white with end caps made of engineering plastic complete as per specifications and directions of the Engineer in charge a) Electronic Ballast suitable for T5 Lamp 1x24 Watt. complete as per specifications and directions of the Engineer in charge.	Nos	535.45	Rupees Five Hundred Thirty Five And Paise Forty Five Only
73	15.00	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete as per specifications and directions of the Engineer in charge. 50-63 Amps SP	Nos	770.63	Rupees Seven Hundred Seventy And Paise Sixty Three Only
74	20.00	Supplying & fixing LED Drivers suitable for 5700K LED fitting Outdoor Fixtures. Operating voltage range from 180V to 265V, 50Hz AC power Supply.240W 5700K suitable for outdoor LED fitting. complete as per specifications and directions of the Engineer in charge.	Nos	10016.05	Rupees Ten Thousand Sixteen And Paise Five Only
75	1650.00	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc, and fixing on existing wooden or metal box using N.F. screws. complete as per specifications and directions of the Engineer in charge.	Sqcm	0.30	Rupees And Paise Thirty Only
76	35.00	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm) complete as per specifications and directions of the Engineer in charge.	Nos	2189.04	Rupees Two Thousand One Hundred Eighty Nine And Paise Four Only
77	68.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge Stepped Fan Regulator	Nos	328.62	Rupees Three Hundred Twenty Eight And Paise Sixty Two Only
78	40.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge TV/Telephone socket	Nos	154.34	Rupees One Hundred Fifty Four And Paise Thirty Four Only
79	40.00	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge RJ45/I.O. outlet	Nos	221.53	Rupees Two Hundred Twenty One And Paise Fifty Three Only
80	50.00	Fixing a Ceiling/Wall mounting fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. complete as per specifications and directions of the Engineer in charge.	Each	170.08	Rupees One Hundred Seventy And Paise Eight Only

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No	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
81	7.00	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% Ics). In 4P MCCB, all Poles should have protection for Short-Cicrcuit/Over Load. For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism. Three Pole. 100Amps 25kA. complete as per specifications and directions of the Engineer in charge.	Each	5922.49	Rupees Five Thousand Nine Hundred Twenty Two And Paise Forty Nine Only
82	7.00	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% Ics). In 4P MCCB, all Poles should have protection for Short-Cicrcuit/Over Load. For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism. Three Pole. 250Amps 35kA.complete as per specifications and directions of the Engineer in charge.	Each	19492.44	Rupees Nineteen Thousand Four Hundred Ninety Two And Paise Forty Four Only
83	15.00	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia.complete as per specifications and directions of the Engineer in charge.	job	4330.84	Rupees Four Thousand Three Hundred Thirty And Paise Eighty Four Only
84	130.00	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm. complete as per specifications and directions of the Engineer in charge.	M	157.49	Rupees One Hundred Fifty Seven And Paise Forty Nine Only
85	130.00	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. complete as per specifications.and directions of the Engineer in charge. 6sqmm to 16 sqmm	M	12.47	Rupees Twelve And Paise Forty Seven Only
86	120.00	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete as per specifications.and directions of the Engineer in charge - Asphalt cutting	M	118.64	Rupees One Hundred Eighteen And Paise Sixty Four Only
87	45.00	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. complete as per specifications.and directions of the Engineer in charge 40 mm	Nos	351.72	Rupees Three Hundred Fifty One And Paise Seventy Two Only
88	2.00	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. complete as per specifications.and directions of the Engineer in charge 16 Sqmm	Nos	283.47	Rupees Two Hundred Eighty Three And Paise Forty Seven Only

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	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
89	15.00	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 32 A .complete as per specifications and directions of the Engineer in charge.	Nos	209.98	Rupees Two Hundred Nine And Paise Ninety Eight Only
90	1600.00	Fabricating supplying and mounting MS box of suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete as per specifications and directions of the Engineer in charge. 18 SWG	Sqcm	0.34	Rupees And Paise Thirty Four Only
91	30.00	Supplying and fixing regular MCB distribution boards on well /wood board /flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB`s single phase /3 phase /single for with powder coated painting etc., complete as per specifications.and directions of the Engineer in charge . Single Door b) 8 way SP&N .	Nos	1366.97	Rupees One Thousand Three Hundred Sixty Six And Paise Ninety Seven Only
92	30.00	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete complete as per specifications.and directions of the Engineer in charge 12" Sweep (300mm)	Nos	3146.55	Rupees Three Thousand One Hundred Forty Six And Paise Fifty Five Only
93	10.00	Supplying and drawing UTP-CAT 6E LAN cable omplete as per specifications.and directions of the Engineer in charge .	M	35.70	Rupees Thirty Five And Paise Seventy Only
94	45.00	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable complete as per specifications.and directions of the Engineer in charge 2 pairs.	M	19.95	Rupees Nineteen And Paise Ninety Five Only
95	1.00	Supplying and Fixing of switch mounting rack with power manager & Cable manager. cable complete as per specifications.and directions of the Engineer in charge 24U with 650mm depth	Each	31571.54	Rupees Thirty One Thousand Five Hundred Seventy One And Paise Fifty Four Only
96	1.00	Supplying fixing of Network Switches omplete as per specifications.and directions of the Engineer in charge 10 Port Gigabyte (manageable)	Each	23602.80	Rupees Twenty Three Thousand Six Hundred Two And Paise Eighty Only
97	6.00	Supply, installation, testing and commissioning of compact ceiling speaker with Back can power handling up to 6 watt RMS/watt/100volt@ 1456 ohms single channel. Selectable taping 5" LF driver and tweeter complete as per specifications.and directions of the Engineer in charge	Nos	1522.36	Rupees One Thousand Five Hundred Twenty Two And Paise Thirty Six Only
98	1.00	Supplying, erection, testing and commissioning of 62.5kva/50kw Diesel Generating Set on existing CC platform Compising of diesel Engine Developing 50kw BHP @ 1500 RPM confirming to BS 5514. The engine should be turbocharged, Air/water cooled with 10% over load for 1hour in every 12 hours of operation coupled to suitable capacity alernator rated at 415V, 0.8 PF(lag) 50 Hz, 3 phase. 4 wire system, confirming to BS 5000/IS 4722. The alternator shall be of brushless type Screen protected, revolving field, Mounted on suitable Channel Iron Base Frame. Complete with suitable capacity Fuel Tank, required nos, of Batteries of 12/24V as per requirement. Acoustic enclosure as per CPCB Approved Norms.complete as per specifications.and directions of the Engineer in charge.	Set	649452.39	Rupees Six Lakh(s) Forty Nine Thousand Four Hundred Fifty Two And Paise Thirty Nine Only

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No	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
99	1.00	Meter and panel board : Supply and delivery of meter and panel boarc unit one number of MS box of size 300 x 120 mm size fabricated out of 2 mm thick sheet metal with sealable door arrangement for mounting the CTS (If any) cutouts 3 phase dia 4 wire energy meter and cable box complete A tranperent glass piece should be provided where the energy meter reading could be read b. panel board to operate on 50c /400/400 v (Copy enclosed) complete as per specifications.and directions of the Engineer in charge .	Nos	6960.84	Rupees Six Thousand Nine Hundred Sixty And Paise Eighty Four Only
100	3.00	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.complete as per specifications and directions of the Engineer in charge.	Nos	549.10	Rupees Five Hundred Forty Nine And Paise Ten Only
101	1.00	Erection of panel board and meter board (Copy enclosed) complete as per specifications.and directions of the Engineer in charge.	Nos	446.21	Rupees Four Hundred Forty Six And Paise Twenty One Only
102	1.00	Brass stop cock (15 mm dia) ccomplete as per specifications and directions of the Engineer in charge.	Nos	376.49	Rupees Three Hundred Seventy Six And Paise Forty Nine Only
103	1.00	Supplying and fixing polished wood board made of not less than 15 mm thick on both sides with made out side more than 2 piece and fixing the same to the mwall musing tapered inverted wooden plugs screws etc 500 x500x 65 mm complete as per specifications.and directions of the Engineer in charge.	Nos	288.72	Rupees Two Hundred Eighty Eight And Paise Seventy Two Only
104	5.00	Supplying and fixing and wiring pilot lamps on existing board using 3 nos flush switches surface mounted in a ang box or flush mounted in 4 mm thick plastic sheet 3 nos of amps bakelite fuses and necessary wires (Copy enclosed) complete as per specifications.and directions of the Engineer in charge.	Nos	144.36	Rupees One Hundred Forty Four And Paise Thirty Six Only
105	12.00	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia . complete as per specifications and directions of the Engineer in charge.	Nos	1574.85	Rupees One Thousand Five Hundred Seventy Four And Paise Eighty Five Only
106	1.00	Design, supplying, erecting testing and commissioning of - passenger/ Bed-cum-passenger hospital lift with speed of 1mtr per second, variable voltage variable frequency drive, with or without machine room for the available well size, operating at 415 V 3 phase 50 cycles AC supply, powder coated / Stainless Steel car entrance doors enclosures with suitable colour vinyl flooring, LED car illumination, emergency light, intercom and fan as desired by the user, central opening / side opening door with or without attendant operation, 7 segment display buttons, call register indicator, fireman drive, SS handrails inside car, full length infrared curtain in car door, automatic rescue device with batteries, voice announcing in regional / international languages, Braille buttons with one year warranty and maintenance with necessary scaffolding and minor civil works like fixing of guide rail, counter weight etc. With Machine Room-PC Finish: complete as per specifications and directions of the Engineer in charge.	Job	1518102.91	Rupees Fifteen Lakh(s) Eighteen Thousand One Hundred Two And Paise Ninety One Only
107		Applicable GST Charges			

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